INDEX TO SCIENTIFIC NAMES

HERPETOLOGICA

Volume 47 December 1991

Acacia 195
Acanthodactylus 223
Acer saccharum 102
Acris 99
Adelophryne 9, 12
Adenomera andreae 295–300
Afrixalus delicatus 226, 228–229
Agkistrodon contortrix 361, 403
  piscivorus 403
Alligator mississippiensis 339, 403
Alnus jorullensis 426
Alytes muletensis 339
Ambystoma 175, 186–187
  annulatum 96–99, 167, 172, 191
  barbouri 469, 472
  exanum 437
  gracile 167, 177, 191
  jeffersonianum 167, 429–438
  laterale 167, 191, 429–438
  laterale-jeffersonianum 437–438
  laterale-jeffersonianum-tigrinum 429, 433–438
  laterale-2jeffersonianum 431
  laterale-2jeffersonianum-texanum 430
  laterale-2jeffersonianum-tigrinum 437
  laterale-texanum 429–430, 433, 435, 437–438
  laterale-texanum-jeffersonianum 429, 432–436, 438
  laterale-texanum-tigrinum 430, 438
  laterale-2texanum-tigrinum 429
  2laterale-jeffersonianum 433, 437–438
  maculatum 97, 99, 167, 191, 360
  opacum 99, 167, 174, 177, 191
  platineum 167, 191
  talpoideum 99, 167, 191
  texanum 167, 191, 429–438, 469
  tigrinum 99, 167, 191, 352, 360, 429–434, 436–438
  tremblayi 167, 191
Ameiva ameiva 276, 396
  auberi 273, 276, 279
  exsul 395–402
  polops 339, 344
  wetmorei 395–402
Amphiuma 172, 186
  means 167, 173, 191
  pholeter 167, 173, 179, 181, 183, 191
  tridactylum 167, 173, 191
Andrias 185–186
Aneides 177
  aeneus 168, 192
  ferreus 168, 192
  lugubris 168, 192
Annamemys annamensis 140, 143–145
  grochovskiae 140
Anolis 224
  cristatellus 457
  grahami 352
  homolechis 273, 275–276, 279
  porcatus 273, 275, 277, 279
  pulchellus 457
  sagrai 275
  sp. 352
Anotosauria vanzolinia 420
Apalone spinifera 315
Aphaenogaster dulcinea 214
Ardea herodias 99
Ascaphus 165
Atelopus arthuri 421
  ignescens 421
Atractus sp. 421
Baccharis polyantha 426
Bachia 420
Batrachoseps aridus 339
  attenuatus 168, 192
  major 168
  pacificus 173, 177, 192
  wrighti 168, 192
Batrachuperus 185, 188
  pinchonii 167, 172, 177, 192
  tibetanus 167, 172, 192
Blanus cinereus 210–216
Boiga irregularis 351
Bolitoglossa 172–173, 175
  adspersa 168, 192
  franklini 168, 192
  platydactyla 168, 192
  rufescens 168, 192
  subpalmata 89–94, 168, 192
Bombina 166
Botaurus lentiginosus 99
Bothrops insularis 365
  jararacussu 365
Bufo 99, 166, 316
  calamita 322–326, 338, 352
  hemiophrys 339
  houstonensis 340, 344, 358
  marinus 352, 358
  typhonius 326
Caiman crocodilus 352
Callisaurus draconoides 83, 275
Camponotus 214
Caretta 119–120
  caretta 117, 121–122, 338, 374
Carettochelys insculpta 390
Carya ovata 102
Catostoma psephotum 38, 53
Centrolenella buckleyi 421
Chameleo jacksonii 352
Chelonia mydas 116, 120–121, 337–338
Chelydra 121
  serpentina 99, 265, 267, 351, 390
Chinemys kwangtungensis 140
  reevesi 145
Chioglossa 175
  lusitanica 169, 193
Chiropterotriton 175

chiropterus 168, 192
multidentatus 168, 192
Chrysemys picta 125, 374, 386, 389–391
Chusquea scandens 426
Cistoclemmys 407
flavomarginata 144
Cistus ladanifer 211
Clemmys bealei 139
schmackeri 140
Cnemidophorus arubensis 396, 402
exanguis 161
gularis 153–162, 164
gularis gularis 152
inornatus 160–161
laredoensis A 152–153
laredoensis B 152–153
lemnicatus 276
marmoratus 273, 276, 279
neomexicanus 160–161
sexlineatus 155, 157, 161–162, 164
sexlineatus viridis 152
sonorae 161
tesselatus 162
tigres 83
tigris 161, 205
vanzoi 339
Colobodactylus 420
Colostethus 421
marchesianus 1, 295–296, 298–300
stepheni 295–300
Conolophus subcristatus 339
Cophosaurus 274, 277
texanus 273, 275
texanus texanus 279
Cordylus giganteus 339
Crematogaster 214
Crocodylus niloticus 339
palustris 339, 341
porosus 339, 341
Crotalus 58, 85
adamanteus 404
atrox 55, 57, 59–60, 62–63, 67–68, 73, 101, 361, 403
basiliscus basiliscus 54
horridus 101–102, 105–112, 360–361
horridus atricaudatus 54, 403
lepidus klauberi 54
scutulatus scutulatus 54–57, 59–60, 62–63, 65, 67
spp. 403
viridis 69–70, 72–75, 78, 109, 112, 236, 273, 276
viridis oreganus 101
viridis viridis 54, 78, 80, 101, 279
Crotaphytus 275, 277
collaris 273–274, 358
collaris collaris 279
Cryptobranchus 185–186, 188
alleganiensis 167, 192
Ctenophorus fordi 205
isolepis 205
Ctenotus 205
cf. *helenae* 195–204, 206
helenae 195
leonhardii 195–204, 206
pantherinus 194, 195–204, 206–208
piankai 195, 197–204
quattuordecimlineatus 195–204, 206
Cuora 139
amboinensis 408–410, 412, 414, 417–419
aurocapitata 407–412, 414, 417–419
chriskarannarum 407, 411, 414, 419
evelynae 407, 409–411, 414
flavomarginata 407–412, 414, 417–419
flavomarginata evelynae 419
flavomarginata sinensis 410
galbinifrons 407–410, 412, 414, 417–419
hainanensis 407
mccordi 407–410, 412, 414, 417–419
pallidicephala 407–410, 412, **414**, 417–420
pani 407–409, 411–412, 414, 417–419
trifasciata 143, 408–410, 412, 414, 417–419
yunnanensis 408–412, 414, 417–419
Cyclemys 139
Cyclura carinata 374
pinguis 339
Cynops 175
orientalis 169, 193
pyrrhogaster 169, 193
wolterstorffi 169, 193
Datura sp. 426
Deirochelys reticularia 120–121, 386
Dendrobates auratus 352, 358
captivus 2, 4–5
fantasticus 2, 4
granuliferus 2
imitator 2, 4
mysteriosus 2, 4–5
pumilio 2
quinquevittatus 2, 4–5
reticulatus 2, 5
sirensis 1–5
speciosus 2
vanzolinii 2, 5
variabilis 2, 5
Dendrophryniscus minutus 295–296, 298–300
Dendrotriton 172
bromeliacia 168, 192
Dermochelys coriacea 115–122
Desmognathus 175, 177, 188
aeneus 167, 179
auriculatus 167
brimleyorum 167
fuscus 167
imitator 167
monticola 167
ochrophaeus 167
quadramaculatus 167, 172, 352
santeetlah 167
welteri 167
wrighti 167, 179
Dicamptodon 175
aterrimus 167, 170, 187, 192
copei 167, 170, 174, 187, 192
ensatus 170, 187
tenebrosus 167, 170, 174, 187, 192
Diploderma polygonatum 288
Diploglossus pleei 457
Diplorhoptrum 214

Dipsosaurus dorsalis 82–83, 86
Drymarchon corais 339
Ecpleopus fraseri 420
Elaphe guttata 301–304, 306, 360
longissima longissima 351
obsoleta 404
Eleutherodactylus cajamarcensis 6–8
curtipes 421
lymani 6, 8
orcesi 421
petrobardus **6–8**
phoxocephalus 421
pyrrhomerus 421
unistrigatus 6–8
versicolor 6–8
w-nigrum 421
Emys muticus 140
nigricans 140
Ensatina 179
eschscholtzi 168, 192
Epipedobates petersi 1
pictus 1
Eremias olivieri 223
Erigeron glacus 468
Escherichia coli 272
Eucalyptus 195
Eugenia sp. 426
Eumeces fasciatus 82
inexpectatus 82
laticeps 82
Euphorbia latazii 426
Euproctus 173, 175
asper 169, 172, 193
montanus 169, 172, 193
Eurycea 179, 189
bislineata 168
cirrigera 168, 177, 188
junaluska 168
longicauda 168
lucifuga 168
multiplicata 168
nana 168
neotenes 168
quadridigitata 168, 173
tynerensis 168, 183
wilderae 168
Euspondylus maculatus 420
Fagus grandifolia 102
Farancia abacura 406
Gallotia galloti 28–31
Gallus sp. 404–405
Gastrophryne 99
Gastrotheca plumbea 421
pseustes 421
riombambae 421
Gavialis gangeticus 339, 342
Gehyra 365
Geochelone elephantopus 338
elephantopus hoodensis 351
gigantea 338
pardalis 351
yniphora 355
Geoemyda 139
Gopherus berlandieri 386
flavomarginatus 355
polyphemus 337–338, 340, 346, 358
Gyrinophilus palleucus 168
porphyriticus 168, 172–173
Hemidactylium scutatum 168, 181, 183, 192
Hemidactylus frenatus 352
tercicus 352
Heosemys 139
Heterodactylus 420
Heterodon nasicus 382
Heteronotia 365
Holbrookia 274–275, 277
maculata 273, 302
maculata maculata 280
Hydromantes italicus 168, 173, 179, 192
shastae 168, 177, 192
Hyla 99
chrysoscelis 309, 314
cinerea 328, 331–332, 334
pseudopuma 308–314
rosenbergi 325
Hynobius 185, 188
leechii 167, 172, 179, 192
stejnegeri 167, 172, 192
tsuensis 167, 172, 174, 177, 179, 192
Iguana iguana 352
Japalura brevipes 280–282, 285–288, 294
makii 280–281, 285–288, 294
mitsukurii 280–283
mitsukurii formosensis 283, 287
mitsukurii mitsukurii 283, 287
polygonata 280, 282, 285, 287–288
polygonata ishigakiensis 282, 285–286, 288, 292, 294
polygonata mitsukurii 283
polygonata polygonata 282, 285–286, 288, 292, 294
polygonata swinhonis 288
polygonata ***xanthostoma*** 280, 285–287, **288**–289, 291–292, 294
sp. 288
swinhonis 280–288, 292, 294
swinhonis formosensis 281, 283, 287, 294
swinhonis mitsukurii 281, 283, 287, 294
swinhonis swinhonis 281, 288, 292
Juniperus oxycedrus 211, 214
Kinosternon 409
flavescens 373–374, 380, 384–386, 389–391
subrubrum 120–121
Lacerta agilis 223–224, 339, 341
monticola 218, 220–224
mosorensis 223
saxicola 153
schreiberi 218, 220–222
sicula 223
viridis 218, 220–224
vivipara 218–225
Lampropeltis getulus 405
triangulum 268
Lasius 214
Latimeria 165
Lavandula stoechas 211
Letocephalus 277

carinatus 273, 276, 280
raviceps 273, 276, 280
Leiolopisma telfairi 339
Leiopelma 165
Lepidochelys kempi 338, 340
Lepomis cyanellus 469
Leptodactylus pentadactylus 325–326
Leurognathus marmoratus 167, 172
Lineatriton 173
lineola 168, 179, 192
Liophis sp. 421
Ludwegia stolonifera 227
Macroclemys 266
temmincki 265, 338
Masticophis flagellum 273, 276
flagellum testaceus 280
Mauremys caspica 140, 143–145
caspica caspica 139
caspica rivulata 139
iversoni 139, **140**–141, 143–147
japonica 139–140, 143–145
leprosa 139–140, 143–145
mutica 139–140, 143–145
Melanochelys 139
Mertensiella luschani 169, 173, 193
Micrablepharus 420
Minyobates abditus 5
minutus 5
opisthomelas 2, 5
steyermarki 2, 5
Mus musculus 69–72, 74–75, 272, 302
Musca sp. 90
Mycoplasma 346
Myocastor coypus 404
Necturus 172, 186
beyeri 169, 192
lewisi 169, 181, 183, 192
maculosus 169, 193, 352
punctatus 169, 191, 193
Nerodia fasciata 273, 277, 404
fasciata pictiventris 280
sipedon 99, 351
spp. 405
Neuregus crocatus 169
Ningaui ridei 205
Ninia atrata 37, 42, 49, 51–52
cerroensis 37–39, 47–48, 50, 53
maculata 37–52
maculata maculata 39
maculata pavimentata 47
maculata tessellata 38
oxynota 37–39, 47–48, 50
pavimentata 47
psephota 37–39, 41–42, 47–51, 53
sebae 37, 42, 49, 51, 53
sebae tessellata 52
sebae tessellatus 38
tessellata 37–38, 40–41, 46
Norops 276
Notophthalmus 186
perstriatus 169, 193
viridescens 99, 169, 188, 193
Nototriton picadoi 168
Oedipina 172
poelzi 168, 192
Onychodactylus 188
japonicus 167, 172–173, 183, 192
Opheodrys aestivus 302
Oreolalax 364
Ostrya virginiana 102
Pachytriton 175, 181
brevipes 169, 193
Paramesotriton 175
chinensis 169, 193
hongkongensis 169, 191, 193
Pelobates 21–23
cultripes 24, 322–325
syriacus 338
Pelodytes punctatus 322–325
Peltophryne lemur 338, 344–345
Peromyscus maniculatus 69–76, 79
varaldii 24
Petrosaurus 275
Phaeognathus hubrichti 167, 172–173, 181, 440–445, 447
Pheidole pallidula 214
Pholidobolus annectens 420
prefrontalis 421, 426
macbrydei 420
montium 420
Phrynopus peruvianus 11–12
Phrynosoma 277
cornutum 273–275, 280
Phyllobates petersi 1
Phyllonastes heyeri 9–12
lochites 10–12
lynchi **10**–12
myrmecoides 10–12
Physalaemus aguirrei 151
albifrons 151
albonotatus 151
centralis 151
cuvieri 151
deimaticus 148, 151
fuscomaculatus 151
gracilis 151
henseli 151
kroeyeri 151
maculiventris 151
moreirae 151
nanus 151
nattereri 151
obtectus 151
olfersi 151
pustulosus 151
riograndensis 151
rupestris **148**–151
signifer 151
Phyzelaphryne 9, 12
Pitangus sulphuratus 316–317
Pituophis melanoleucus 405
Plagiolepis 214
Platysternon megacephalum 265
Plethodon cinereus 168, 175, 188, 192
dorsalis 168, 188, 192
elongatus 168, 192
glutinosus 168, 173, 192, 268, 465
idahoensis 338
jordani 168, 192, 465
larselli 168

ouachitae 168, 177, 179, 192
richmondi 168, 192
serratus 168, 192
teyahalee 169, 192
vehiculum 169, 177, 192
websteri 169, 192
wehrlei 169, 192
yonahlossee 169, 179, 192
Pleurodeles waltl 169, 172–173, 177, 179, 181, 183, 193
Pleurodema borelli 316–317, 320
Podarcis 219
bocagei 218, 220–222
hispanica 218, 221
hispanica hispanica 220–222
hispanica sebastiani 220, 222
muralis 218, 220–224
sicula 223
Podocarpus sp. 426
Polygonum pulchrum 227
Porthidium godmani 92
Prionodactylus vertebralis 420
Proctoporus achlyens 423, 428
bogotensis 421
bolivianus 423, 428
cashcaensis 420, **421**, 423–424, 426–427
columbianus 424, 426, 428
guentheri 423, 428
hypostictus 424, 426, 428
laevis 423, 428
luctuosus 423
meleagris 424, 428
oculatus 423, 428
pachyurus 423, 428
shrevei 423, 428
simoterus 424, 428
striatus 421, 424, 426, 428
unicolor 424, 426, 428
ventrimaculatus 423, 429
Proteus anguinus 169, 186, 193
Protopterus 165
Psammodromus algirus 223
Pseudemys floridana 121
Pseudobranchus 185
striatus 169, 172, 193
Pseudoeurycea belli 168
goebeli 168, 177, 179, 192
leprosa 168, 192
rex 168, 192
Pseudotriton montanus 168, 181
ruber 168, 172, 181
Ptychoglossus bicolor 420
Quercus rotundifolia 211
rubra 102
Rana 99, 166, 316
annulatum 360
catesbeiana 308–309, 326, 351
johni 17
magnaocularis 13, 15, 17–20
megapoda 13, 15, 17–20
montezumae 13, 17–20
neovolcanica 13, 17–20
pipiens 13, 17, 329, 333
pueblae 17
pustulosa 13, 15, 17–21
schmackeri 364
sinaloae 13, 17–18
sphenocephala 308
sylvatica 308, 360
tarahumarae 13, 17–21
temporaria 364
trilobata 13–15, 17–20
Rattus exulans 238
norvegicus 70
Rhadinaea calligaster 92
godmani 92
pachyura 92
Rhinoclemmys 139
Rhyacosiredon 187
Rhyacotriton 175, 183, 186
olympicus 167, 170, 174, 187, 192
Salamandra atra 169, 193
salamandra 169, 193
Salamandrina terdigitata 169, 173
Salmo trutta 359
Salvelinus frontalis 359
Sauromalus obesus 374
Scaphiopus 23
couchii 21, 25, 27
holbrookii 21–22, 25, 27
hurterii 22
multiplicatus 308
Sceloporus 206, 275, 277
aeneus 223
graciosus 273–274
graciosus graciosus 280
grammicus 273–274, 280
grammicus microlepidotus 280
jarrovi 82, 86
magister 273–274
magister uniformis 280
merriami 465
occidentalis 82
palaciosi 273–274, 280
undulatus 273, 302
undulatus elongatus 280
Sigmodon 63
Siren 185
intermedia 99, 169, 172, 193
lacertina 169, 193
Spea 23
bombifrons 21–22, 24–28
hammondii 21–22, 24–28
intermontana 21–22, 24–28
multiplicata 21–22, 24–26, 28
Sphenodon guntheri 355
punctatus 238
Stenolepis 420
Stereochilus marginatus 168, 173
Sternotherus odoratus 121, 389
Streptophorus maculatus 52
oxynotus 38, 50, 53
subtessellatus 38, 46, 52
Taminoma 214
Taricha 175
rivularius 169, 193
torosa 169, 189, 191, 193
Tenebrio molitor 83
Terrapene ornata 386
Testudo anyangensis 140

Tetramorium semilaeve 214
Thamnophis marcianus 273, 277, 302, 306
marcianus marcianus 280
proximus 99, 405
radix 230, 232, 235
sirtalis 90–91, 230–232, 234–236
Thorius 172
macdougalli 168, 173, 192
Thymus mastichina 211
Trachemys scripta 120–121, 134, 267, 351, 374, 386
scripta callirostris 133
scripta elegans 133
Triodia basedowii 195–196, 200
pungens 195–196, 200
Trionyx spiniferus 386
Triturus 175
alpestris 169, 193
boscai 169, 174, 193, 322
cristatus 169, 193, 365
helveticus 169
karelini 365
marmoratus 322
vittatus 338
vulgaris 169
Tsuga canadensis 102
Tylototriton 173, 181
verrucosus 169, 193
Typha angustifolia 329
Typhlomolge rathbuni 168, 172, 179, 181, 183
Typhlops 453, 459
catapontus 448, 454–455, 456
granti 448–452, 454–455
hypomethes 448, **452**, 454–458
monensis 448, 454
new species 450
platycephalus 448, 450–452, 454–457
richardi 448, 450–452, 454–458
richardi catapontus 448
richardi naugus 448, 457
richardi platycephalus 448
rostellatus 448–451, 455
sp. nov. 451
Typhlotriton 179
spelaeus 168, 177, 192
Uma 275
Urosaurus ornatus 465
Uta 206, 277
stansburiana 273–275
stansburiana stejnegeri 280
Vipera aspis 101
berus 101
Weinmannia sp. 427
Xenopus 165, 364
laevis 351
Xerobates agassizi 338
Xiphophorus helleri 267

TOPICAL INDEX
HERPETOLOGICA
Volume 47 December 1991

ALLOZYMES, *Ambystoma laterale-texanum-jeffersonianum* and *A. laterale-jeffersonianum-tigrinum* (compared with their parental species) 429–439; *Crotalus s. scutulatus* (venom A and B populations in Arizona) 54–68; *Phaeognathus hubrichti* (geographic variation) 440–447; *Spea* (relationships among 4 spp.) 21–28; *Typhlops* (3 cryptic spp. from the Puerto Rico Bank) 448–459.

ANATOMY, Salamanders (comparative anatomy and phylogeny of cloacae) 165–193.

BEHAVIOR, *Afrixalus delicatus* (call location by females) 226–229; *Alligator mississippiensis* (feeding behavior on venomous versus non-venomous snakes) 403–406; *Bolitoglossa subpalmata* (variation in antipredator behavior related to elevation) 89–95; *Crotalus viridis* (strike-induced chemosensory prey searching) 69–78; *Crotalus v. viridis* (sensory cues that stimulate strike) 78–81; *Dipsosaurus dorsalis* (detection of conspecifics by chemoreception) 82–88; *Hyla pseudopuma* (choice of oviposition site) 308–315; *Thamnophis sirtalis* (antipredator behavior related to temperature) 230–237.

BODY TEMPERATURE, *Hyla cinerea* (of free-ranging animals compared with plaster models) 328–335.

CANNIBALISM, *Hyla pseudopuma* (older tadpoles on eggs and younger tadpoles) 308–315.

CHEMORECEPTION, *Crotalus viridis* (strike-induced chemosensory prey searching) 69–78; *Crotalus v. viridis* (sensory cues that stimulate strike) 78–81; *Dipsosaurus dorsalis* (detection of conspecifics) 82–88.

CHROMOSOMES, *Ambystoma laterale-texanum-jeffersonianum* and *A. laterale-jeffersonianum-tigrinum* (compared with their parental species) 429–439; *Cnemidophorus laredoensis* B × *C. g. gularis* (karyotype) 162; location of rDNA sequences (16 spp. of lizard and 4 spp. of snake) 271–280.

CLADOGRAMS, Salamander families (based on comparative anatomy of cloacae) 184–185.

CLOACA, Salamanders (comparative anatomy and phylogeny) 165–193.

CONSERVATION BIOLOGY, Relocation, repatriation, and translocation of amphibians and reptiles (review of topic) 336–363.

DEMOGRAPHY, *Ctenotus* (5 syntopic spp. in C Australia) 194–210; *Kinosternon flavescens* (Nebraska) 373–395.

DIET, *Blanus cinereus* (C Spain) 210–218; *Elaphe guttata* (phenotypic plasticity in reproductive traits in response to diet) 301–307.

DISTRIBUTION, *Crotalus s. scutulatus* (venom A and B populations) 56, 60; *Ninia* (4 spp. in Costa Rica and W Panama) 37–53.

DISTRIBUTION MAPS, *Cuora* (9 spp. in Asia) 412; *Japalura* (Taiwanese spp.) 281; *Ninia* (4 spp. in Costa Rica and W Panama) 48, 51; *Phaeognathus hubrichti* 440–447; *Phyllonastes* (4 spp. in NW South America) 11; *Proctoporus cashcaensis* (in Ecuador) 427.

ECOLOGICAL METHODS, review 460–473.

EGGS, *Chrysemys picta* (outcome of incubation under moisture and temperature variables) 125–132; *Hyla pseudopuma* (oviposition site and egg load assessment) 308–315; lacertid lizards (egg retention) 218–226.

ENDANGERED SPECIES, *Phaeognathus hubrichti* (protein and mtDNA variation) 440–447.

ERYTHROCYTES, *Cnemidophorus laredoensis* B × *C. g. gularis* (nuclear size) 152–164.

EVAPORATIVE HEAT LOSS, *Hyla cinerea* 328–335.

FEEDING BEHAVIOR, *Alligator mississippiensis* (on venomous versus non-venomous snakes) 403–406.

GENETIC DIVERGENCE, *Crotalus s. scutulatus* (between venom A and B populations in Arizona) 54–68; *Phaeognathus hubrichti* populations 440–447.

HORMONES, *Sphenodon punctatus* (blood levels used to identify reproductive condition of females) 238–249.

HYBRIDS, *Amybstoma* (*A. laterale-texanum-jeffersonianum* and *A. laterale-jeffersonianum-tigrinum*, 2 new triparental, unisexual forms in Ohio and Michigan) 429–439; *Cnemidophorus laredoensis* B × *C. g. gularis* 152–164.

LAPAROSCOPY, *Sphenodon punctatus* (used to determine reproductive condition of females) 238–249.

LARVAE, *Ambystoma annulatum* (premetamorphic survival) 96–100.

LIFE HISTORY, *Crotalus horridus* (NE New York) 101–115; *Ctenotus* (5 syntopic spp. in C Australia) 194–210; *Elaphe guttata* (phenotypic plasticity in reproductive traits) 301–307; *Kinosternon flavescens* (life history and demography in Nebraska) 373–395; leaf litter frogs (4 spp.—*Adenomera andreae, Colostethus stepheni, C. marchesianus, Dendrophryniscus minutus*—compared in C Amazonia) 295–300.

MICROEVOLUTION, *Gallotia galloti* (length of breeding males on Tenerife) 28–37.

MICROGEOGRAPHIC VARIATION, *Gallotia galloti* (length of breeding males on Tenerife) 28–37.

MITOCHONDRIAL DNA, *Ambystoma laterale-texanum-jeffersonianum* and *A. laterale-jeffersonianum-tigrinum* (compared with their parental species) 429–439; *Phaeognathus hubrichti* 440–447.

MORPHOLOGY, *Ninia* (4 spp. in Costa Rica and W Panama) 37–53.

MOVEMENTS, *Ctenotus* (5 syntopic spp. in C Australia) 194–210.

PARASITES, and sexual selection 250–264.

PHYLOGENETIC TREES, *Phaeognathus hubrichti* (13 populations) 444; *Spea* (4 spp.) 26; *Typhlops* (17 populations from the Puerto Rico Bank) 451.
PHYLOGENY, Salamanders (comparative anatomy of cloacae) 165–193.
POPULATION DYNAMICS, *Ctenotus* (5 syntopic spp. in C Australia) 194–210.
PREDATION, *Bufo calamita* (on embryos by tadpoles of *Pelobates cultripes* and *Pelodytes punctatus*) 322–327; *Crotalus viridis* (chemosensory prey searching behavior) 68–78; *Crotalus v. viridis* (sensory cues that induce strike) 78–81; *Pleurodema borelli* (size-specific vulnerability of tadpoles to an avian predator) 316–321.
PRINCIPAL COMPONENTS ANALYSIS, comparing morphology of unisexual *Ambystoma* 429–439.
RADIOGRAPHY, *Sphenodon punctatus* (used to determine reproductive condition of females) 238–249.
REPRODUCTION, *Afrixalus delicatus* (call location by females) 226–229; *Ameiva exsul* and *A. wetmorei* (Puerto Rico) 395–403; *Chrysemys picta* (outcome of incubation under moisture and temperature variables) 125–132; *Crotalus horridus* (female maturation and reproductive ecology in NE New York) 101–115; *Ctenotus* (5 syntopic spp. in C Australia) 194–210; *Dermochelys coriacea* (clutch size and clutch frequency related to carapace length) 115–124; *Elaphe guttata* (phenotypic plasticity in reproductive traits) 301–307; *Kinosternon flavescens* (life history and demography in Nebraska) 373–395; lacertid lizards (egg retention) 218–226; leaf litter frogs (juvenile recruitment and reproduction in 4 spp.—*Adenomera andreae, Colostethus stepheni, C. marchesianus, Dendrophryniscus minutus*—compared in C Amazonia) 295–300; *Sphenodon punctatus* (reproductive condition of females detected by laparoscopy, radiography, and blood analysis) 238–249.
RIBOSOMAL DNA, location in chromosomes (16 spp. of lizard and 4 spp. of snake) 271–280.
SEXUAL SELECTION, and parasite loads 250–264.
SURVIVAL RATE, *Ambystoma annulatum* (larvae in SW Missouri) 96–100; *Ctenotus* (5 syntopic spp. in C Australia) 194–210; *Kinosternon flavescens* (Nebraska) 373–395.
SYSTEMATICS, *Cuora* (China) 407–420; *Ninia* (in Costa Rica and W Panama) 37–53; rDNA sequences (potential systematic value in squamates) 271–280; *Spea* (relationships among 4 spp.) 21–28; *Typhlops* (3 cryptic spp. from the Puerto Rico Bank) 448–459.
TAXONOMY, *Cuora pallidicephala* (new sp. from China) 407–420; *Dendrobates sirensis* (new sp. from Peru) 1–5; *Eleutherodactylus petrobardus* (new sp. from Peru) 6–9; *Japalura mitsurkurii* (junior synonym of *J. swinhonis*) 280–294; *Japalura polygonata xanthostoma* (new ssp. from N Taiwan) 280–294; *Mauremys iversoni* (new sp. from China) 139–147; *Phyllonastes lynchi* (new sp. from Peru) 9–13; *Physalaemus rupestris* (new sp. from SE Brazil) 148–151; *Proctoporus cashcaensis* (new sp. from Ecuador) 420–429; *Rana trilobata* (senior synonym of *R. megapoda*) 13–21.
TEMPERATURE, *Thamnophis sirtalis* (effect on antipredator behavior) 230–237.
VENOM, *Crotalus s. scutulatus* (distribution of A and B populations in Arizona) 54–68.
VIVIPARITY, lacertid lizards (evolution of) 218–226.